

5 **METHOD AND DEVICE FOR SANITIZING DISPOSABLE BIOCHIPS**

ABSTRACT OF THE DISCLOSURE

10 Biochips, bio-analysis systems, and methods for testing and pyrolyzing a
biological substance are disclosed. The biochips and methods of use can
include a substrate, a region of the substrate having components being
configured to interact with a biological substance, and a heating device
integrated with the substrate. The heating device can be configured to generate
heat over substantially all of the region, wherein the heat produces a
15 temperature sufficient to pyrolyze the biological substance. The bio-analysis
system and methods of use can include a biochip having a region configured for
conducting a biological assay on a biological substance, and an integrated
device including an analysis chamber and a pyrolysis chamber. The analysis
chamber can be configured for receiving the biochip and performing a biological
20 assay on the region within the analysis chamber. The pyrolysis chamber also
can be configured for receiving the biochip, wherein upon applying heat to the
region within the pyrolysis chamber, the biological substance is pyrolyzed.